

# SAFETY DATA SHEET

**HYDRO 315**

Infosafe No.: MTHOJ  
ISSUED Date : 02/09/2016  
ISSUED by: Hydro-Chem Pty Ltd

## 1. IDENTIFICATION

### GHS Product Identifier

HYDRO 315

### Product Code

### Product Type

BOILER WATER OXYGEN SCANVENGER

### Company Name

Hydro-Chem Pty Ltd

### Address

23B Industrial Drive Braeside  
VIC 3195

### Telephone/Fax Number

Tel: (03) 9553 1011

### Emergency phone number

1300 558 788

### Emergency Contact Name

Tony Ventura

### Recommended use of the chemical and restrictions on use

Initial Dose - Use at the rate of 100 g Hydro 315 per 1000 Litres of water.  
Maintenance Dose - 25 g per Hydro 315 per 1000 Liters of water.  
Consult your HydroChem technical representative for specific recommendation.

### Additional Information

Product Description : Catalysed oxygen scavenger for use in boiler water treatment.

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Information on Composition

All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

The ingredients below are not considered either hazardous, dangerous goods or poison scheduled according to the criteria of ASCC, ADG Code and SUSDP (respectively) at the levels used in the product.

Sodium sulphite	7757-83-7	> 60 %
Other ingredients are		to 100 %

not considered hazardous  
by ASCC

#### Ingredients

Name	CAS	Proportion
Sodium sulphite	7757-83-7	0->60 %

## 4. FIRST-AID MEASURES

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### Inhalation

Remove from source of exposure to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position. Seek medical assistance if effects persist.

### Ingestion

Immediately remove product from the mouth and rinse mouth out with water. Contact a Doctor or the Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766) in your capital city for further advice.

### Skin

Remove contaminated clothing and wash skin thoroughly with water. Seek medical attention if the effects persist.

### Eye contact

Irrigate with copious quantities of water for at least 15 minutes and seek medical attention if effects persist.

### First Aid Facilities

Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

### Advice to Doctor

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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### Fire Fighting Measures

As in any fire, wear an approved self-contained breathing apparatus in pressure-demand, and full protective gear.

### Suitable Extinguishing Media

Extinguishing Media : Water spray, foam, carbon dioxide or dry chemical powder.

### Hazards from Combustion Products

The product is non-combustible; however, the packaging material may burn to emit noxious fumes. Decomposes on heating emitting toxic fumes including oxides of sulfur.

### Decomposition Temperature

593°C

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Contain the spill and prevent contamination into confined areas, drains and waterways.

Avoid generating dust. Carefully scoop up, or shovel up uncontaminated product for re-use. Sweep up contaminated material and seal in properly labelled drums for disposal. Wash area down with plenty of water.

Incineration of disposed material is not recommended, as it is unlikely to adequately burn.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. Avoid eye contact and repeated or prolonged skin contact. Do not eat, drink or smoke in contaminated areas. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

**Conditions for safe storage, including any incompatibilities**

Store in the original container, in a cool, dry well-ventilated area out of sunlight, moisture and away from other chemicals and foodstuffs.

Keep containers closed when not in use to ensure contamination does not occur. Do not combine part drums of the same product, as this may be a source of contamination. Do not mix with other chemicals.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational exposure limit values**

No value assigned for this specific material by ASCC, however as published by ASCC the recommended exposure standard for dust in general should be 10 mg/m<sup>3</sup>, measured as inspirable dust.

**Biological Limit Values**

No biological limit allocated.

**Appropriate Engineering Controls**

Natural or local exhaust ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

**Respiratory Protection**

Avoid breathing dust. Where ventilation is not adequate, respiratory protection may be required. Any P1 or P2 particulate filter respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

**Eye Protection**

Safety glasses/goggles with side shield protection. Consult AS/NZS 1336 and AS/NZS 1337 for further information.

**Hand Protection**

Elbow-length natural rubber, nitrile or PVC impervious gloves. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information.

**Personal Protective Equipment**

Protective equipment is recommended. Risk assessments should always be conducted to identify the hazards and in turn determine the appropriate personal protective equipment for the hazard.

**Body Protection**

Overalls or trousers, long sleeved shirt, closed in shoes and/or safety footwear. Consult AS/NZS 2210 and AS/NZS 2919 for further information.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance**

White granular powder.

**Odour**

Odourless.

**Decomposition Temperature**

593°C

**Melting Point**

No information available.

**Freezing Point**

No information available.

**Boiling Point**

No information available.

**Solubility in Water**

Soluble in water - 23g/100ml @ 20°C

**Specific Gravity**

Bulk Density = 2.63g/cm<sup>3</sup>

**pH**

9 – 10 (5% SOLUTION)

**Vapour Pressure**

No information available.

**Volatile Component**

No information available.

**Flash Point**

No known fire hazard.

**Auto-Ignition Temperature**

No information available.

**Flammable Limits - Lower**

No information available.

**Flammable Limits - Upper**

No information available.

## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable under normal conditions of use and storage.

**Conditions to Avoid**

Do not combine part drums of the same product, as this may be a source of contamination. Avoid exposure moisture and air. Avoid heat, direct sunlight, open flames and other sources of ignition.

**Incompatible materials**

Acids, strong oxidising agents.

**Hazardous Decomposition Products**

The packaging material may burn to emit noxious fumes. Thermal decomposition may produce oxides of sulphur.

**Possibility of hazardous reactions**

Will react with water, steam or acids to produce a toxic and corrosive material.

## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity - Oral**

TOXICITY DATA FOR SODIUM SULPHITE:

Oral LD50 (mouse) = 820 mg/kg

Oral LD50 (rat) = 3560mg/kg

Oral LDLo (rabbit) = 2825mg/kg

**Ingestion**

Ingestion of large amounts may cause nausea, vomiting and abdominal pain.

**Inhalation**

Breathing in dust may result in respiratory irritation.

**Skin**

Capable of causing irritation with long and repeated skin contact.

**Eye**

Capable of causing eye irritation.

**Health Hazard**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and/or overexposure occurs.

**Chronic Effects**

No information available.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Avoid contaminating waterways.

ECOTOXICITY DATA FOR SODIUM SULPHITE:

LC50 Daphnia magna 299 mg/L/25h

LC50 Western mosquitofish (*Gambusia affinis*) 660 mg/L (average)

### Persistence and degradability

No information available.

### Mobility

No data is available for this material.

## 13. DISPOSAL CONSIDERATIONS

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### Waste Disposal

Recycle or dispose of in accordance with prevailing regulations, preferably to a recognised collector or contractor.

Disposal of this material should be undertaken by a registered chemical disposal company.

### Container Disposal

Empty containers must be decontaminated, rinse with water before landfill disposal.

## 14. TRANSPORT INFORMATION

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### Transport Information

ROAD AND RAIL TRANSPORT: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

UN NUMBER: NONE

UN PROPER SHIPPING NAME: NONE

CLASS AND SUBSIDIARY RISK(S): NONE

PACKAGING GROUP: NONE

HAZCHEM CODE: NONE

SEGREGATION DANGEROUS GOODS: NONE

MARINE TRANSPORT: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN NUMBER: NONE

UN PROPER SHIPPING NAME: NONE

CLASS AND SUBSIDIARY RISK(S): NONE

PACKAGING GROUP: NONE

AIR TRANSPORT: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) for transport by air.

UN NUMBER: NONE

UN PROPER SHIPPING NAME: NONE

CLASS AND SUBSIDIARY RISK(S): NONE

PACKAGING GROUP: NONE

### U.N. Number

None Allocated

### UN proper shipping name

None Allocated

### Transport hazard class(es)

None Allocated

## 15. REGULATORY INFORMATION

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### Poisons Schedule

Not Scheduled

### Packaging & Labelling

Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poisons do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labelled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labelling of Workplace Substances'.

## 16. OTHER INFORMATION

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### Contact Person/Point

Normal Working Hours - Ph: (03) 9553 1011 Fax: (03) 9553 1387  
Ask for the Facilities Manager, Sales Manager or Services Manager.  
After Hours - Ph : 1300 558 788

Further information/advice is available to those persons responsible for the design of safe work practices on their written request to HydroChem.

This SDS summarises to the best of our knowledge at the date of issue, the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

Hydro-Chem Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

If clarification or further information is required, the user should contact Hydro-Chem Pty Ltd using the contact details provided.

### Empirical Formula & Structural Formula

Na<sub>2</sub>SO<sub>3</sub>

## END OF SDS

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